



Dynamic Search: INPADOC/Family and Legal Status, JAPIO -Patent Abstracts of Japan, Derwent World Patents Index

Records for: **pn=jp 2154697**

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☐ 1. 2/34/1 (Item 1 from file: 351)

008340357

WPI ACC No: 1990-227358/ 199030

Microorganism detection - using appts. composed of transparent vessel, insertion structure and lid for vessel

Patent Assignee: TOYO JOZO KK (TOXN)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2154697	A	19900614	JP 88309257	A	19881207	199030 B

Priority Applications (No Type Date): JP 88309257 A 19881207

Abstract (Basic): JP 2154697 A

Appts. is composed of (1) transparent vessel, (2) inserting structure and (3) lid for the vessel (1). The inserting structure (2) is made of a sheet which shows gas permeability and low water permeability and cannot pass the microbes in test soln. and the sheet may be supported on proper carrier. In the vessel (1), the mixt. of test soln., nutrients and gelling agent is poured properly and the inserting structure (2) is inserted and fixed in the vessel. In the space between the vessel (1) and the inserting structure (2), microbes are multiplied and one can detect the microbes from outside of the vessel (1). By using indicator which forms colour, fluorescent light or luminous light by conducting with microbe, one can detect microbe more easily. The indicator is applied inside of the inserting structure and is transformed to the layer, in which microbe is multiplied.

For preparing inserting structure, water-repelling sheet such as silicone-treated paper, polyethylene-treated paper, silicone-treated cloth, etc. can be used. (22pp Dwg.No.0/28)

Derwent Class: A89; B04; D16; J04

International Patent Class (Additional): C12M-001/34; C12Q-001/04

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☐ 2. 2/34/2 (Item 2 from file: 347)

03179197 **Image available**

DETECTION OF ORGANISM BY CULTURE THEREOF

Pub. No.: 02-154697 [JP 2154697 A]

Published: June 14, 1990 (19900614)

Inventor: UEDA SHIGERU
WATANABE KAZUHIRO
MISAKI HIDEO

Applicant: TOYO JOZO CO LTD [330209] (A Japanese Company or Corporation), JP (Japan)

Application No.: 63-309257 [JP 88309257]

Filed: December 07, 1988 (19881207)

International Class: [5] C12Q-001/04; C12M-001/34

JAPIO Class: 14.5 (ORGANIC CHEMISTRY -- Microorganism Industry); 46.1 (INSTRUMENTATION -- Measurement)

Journal: Section: C, Section No. 754, Vol. 14, No. 406, Pg. 138, September 04, 1990 (19900904)

ABSTRACT

PURPOSE: To simply and wide-applicably carrying out accurate detection of microorganisms by culture thereof by culturing microorganisms in a test solution is a component layer containing nutritive substances and a gelatinizer between a transparent vessel 2 containing the test solution and an insertion body 3 having low water permeability and micro pores.

CONSTITUTION: A cover 4 is removed from the opening part of a transparent vessel 2 and an insertion body 3 is taken out from the transparent vessel 2 followed by pouring a constant amount of a test solution containing a gelatinizer and nutritive substances into a culture vessel 1. In this case, the above-mentioned constant amount is such as amount that a thin layer can be formed on the side surfaces thereof without overflow and inflow of the test solution into the insertion body 3 in insertion of the insertion body 3 into the transparent vessel 2 and the following rising of the liquid surface of the test solution in a gap 5 formed between the transparent vessel 2 and the insertion body 3. The above-mentioned insertion body 3 is made of a sheet having air permeability, very low water permeability and resistance to passage of the microorganisms in the test solution.

☐ 3. 2/34/3 (Item 3 from file: 345)

9342854

Basic Patent (No,Kind,Date): JP 2154697 A2 900614

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 2154697 A2 900614

DETECTION OF ORGANISM BY CULTURE THEREOF (English)

Patent Assignee: TOYO JOZO KK

Author (Inventor): UEDA SHIGERU; WATANABE KAZUHIRO; MISAKI HIDEO

Priority (No,Kind,Date): JP 88309257 A 881207

Applic (No,Kind,Date): JP 88309257 A 881207

IPC: * C12Q-001/04; C12M-001/34

Derwent WPI Acc No: ; C 90-227358

JAPIO Reference No: ; 140406C000138

Language of Document: Japanese

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☐ 1. 2/34/1 (Item 1 from file: 351)

008340357

WPI ACC No: 1990-227358/ 199030

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Derwent Class: A89; B04; D16; J04

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